Amendments to the Claims:

What is claimed is:

- 1. (Currently Amended) An antenna structure comprised of:
 - (a) a quadrifilar helix antenna; and
- (b) substantially parallel and substantially concentric metallic rings positioned around the longitudinal axis of the said quadrifilar helix antenna and along at least one of a the total length or a partial length of the quadrifilar helix antenna, wherein the substantially concentric metallic rings are parasitically coupled to the helix antenna.
- 2. (Currently Amended) The antenna structure of claim 1 where the said quadrifilar helix antenna is replaced by other a multifilar helix antennas such as a bifilar helix antenna.
- 3. (Currently Amended) The antenna structure of claim 1 where the said-quadrifilar helix antenna is replaced by a standard monofilar helix antenna.
- 4. (Currently Amended) The antenna structure of claim 1 where the said-quadrifilm helix antenna is etched on a flexible substrate.
- 5. (Currently Amended) The antenna structure of claim 1 where at least one of the the said metallic rings are etched on the same substrate as the said quadrifilar helix antenna.
- 6. (Currently Amended) The antenna structure of claim 1 where at least one of the said metallic rings are etched on a different substrate than that of the said quadrifilar helix antenna.
- 7. (Currently Amended) The antenna structure of claim 1 where the said metallic rings are part of a the radome that houses the said quadrifilar helix antenna.

- 9. (Currently Amended) The antenna structure of claim 1 where at least one of the said metallic rings is connected to at least one other ring.
- 10. (Currently Amended) The antenna structure of claim 1 where at least one of the said rings or loops is electrically connected to at least one antenna helical element.
- 11. (Currently Amended) A method for reducing the height of a helix antenna by using substantially parallel and substantially concentric metallic <u>parasitic</u> rings positioned around the longitudinal axis of the said helix antenna and along <u>at least one of a the</u> total <u>length</u> or <u>a partial</u> length of the said helix antenna.
- 12. (Currently Amended) A method for tuning a helix antenna by using substantially parallel and substantially concentric metallic <u>parasitic</u> rings positioned around the longitudinal axis of the said helix antenna and along <u>at least one of a the</u> total or <u>a partial length</u> of the said helix antenna.
- 13. (New) The antenna structure of claim 1, where the helix antenna is a quadrifilar helix antenna.
- 14. (New) The antenna structure of claim 8, where the open ended metallic loop is formed from one or more open ended rings.
- 15. (New) The antenna structure of claim 8, where the open ended metallic loop includes overlapping rings.

- 16. (New) An antenna structure comprised of:
 - a mast-type antenna; and

substantially parallel and substantially concentric metallic rings positioned around the longitudinal axis of the mast-type antenna and along at least one of a total length or a partial length of the antenna, wherein the substantially concentric metallic rings are parasitically coupled to the mast-type antenna.

17. (New) The antenna structure of claim 1, where the mast-type antenna is a quadrifilar helix antenna.